GROUNDWATER SAMPLE RESULTS

DECEMBER 2000

ACCUTEST

01/18/01

Technical Report for

Anderson, Mulholland & Associates

Bristol Myers Squibb, Humacao, P.R.

Brule SM03

Accutest Job Number: E82566

Report to:

Anderson, Mulholland & Associates
110 Corporate Park Drive
White Plains, NY 10604

ATTN: Alan Siegel

Total number of pages in report: 574

Volume: 1 of 2

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, KS, MA, MD, NC, PA, RI, SC, VA

Results relate only to the items tested.

ACCUTEST

Sample Summary

Anderson, Mulholland & Associates

Job No: E82566

Bristol Myers Squibb, Humacao, P.R.
Project No: Brule SM03

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
E82566-1	12/13/00	09:00	ARS	12/14/00	AQ	Field Blank Water	EB121300
E82566-2	12/13/00	12:00	NMR	12/14/00	AQ	Ground Water	BR-2
E82566-3	12/13/00	12:04	NMR	12/14/00	AQ	Ground Water	BR-2D
E82566-4	12/13/00	14:55	NMR	12/14/00	AQ	Ground Water	BR-1
E82566-5	12/13/00	00:00	ARS	12/14/00	AQ	Trip Blank Water	TB121300
E82566-6	12/13/00	12:00	NMR	12/14/00	AQ	Groundwater Filtered	BR-2
E82566-7	12/13/00	14:55	NMR	12/14/00	AQ	Groundwater Filtered	BR-1
E82566-3D	12/13/00	12:05	NMR	12/14/00	AQ	Water Dup/MSD	BR-2D
E82566-3S	12/13/00	12:06	NMR	12/14/00	AQ	Water Matrix Spike	BR-2D

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Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. [✓]
2. Table of Contents. [✓]
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. [✓]
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. [✓]
5. Document bound, paginated and legible. [✓]
6. Chain of Custody. [✓]
7. Methodology Summary [N/A]
8. Laboratory Chronicle and Holding Time Check. [✓]
9. Results submitted on a dry weight basis (if applicable) [N/A]
10. Method Detection Limits. [✓]
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. [✓]
12. Non-Conformance Summary. [✓]

Fran Mra
QC Reviewer

1/18/2001
Date

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For
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Report of Analysis

Client Sample ID:	EB121300		
Lab Sample ID:	E82566-1	**Date Sampled:**	12/13/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38808.D	1	12/22/00	DFT	n/a	n/a	VK1384
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB121300		
Lab Sample ID:	E82566-1	**Date Sampled:**	12/13/00
Matrix:	AQ - Field Blank Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	80%		69-122%
2037-26-5	Toluene-D8	103%		87-116%
460-00-4	4-Bromofluorobenzene	97%		81-125%

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ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-2	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38809.D	1	12/22/00	DFT	n/a	n/a	VK1384
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	3.9	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	3.0	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	4.7	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	7.5	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-2	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	83%		69-122%
2037-26-5	Toluene-D8	107%		87-116%
460-00-4	4-Bromofluorobenzene	104%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-2	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II16174.D	5	12/18/00	WG	n/a	n/a	GII821
Run #2							

CAS No.	Compound	Result	RL	Units	Q
74-82-8	Methane	8460	0.50	ug/l	
	Carbon Dioxide	10600	500	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-2	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron	7470	100	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B
Manganese	96.8	15	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-2	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate [a]	0.42	0.11	mg/l	1	01/05/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	0.42	0.10	mg/l	1	01/05/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	12/14/00	MRK	SM18 4500NO2B
Nitrogen, Total Kjeldahl	1.7	0.20	mg/l	1	01/04/01	SJB	EPA 351.2
Phosphate, Ortho	0.72	0.20	mg/l	2	12/14/00	MRK	EPA 365.2
Sulfate	<20	20	mg/l	1	01/02/01	VL	EPA 300/SW846 9056

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-2D		
Lab Sample ID:	E82566-3	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38807.D	1	12/22/00	DFT	n/a	n/a	VK1384
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	3.8	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	2.9	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	4.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	7.5	5.0	ug/l	

ND = Not detected
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2D		
Lab Sample ID:	E82566-3	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		81-122%
17060-07-0	1,2-Dichloroethane-D4	80%		69-122%
2037-26-5	Toluene-D8	107%		87-116%
460-00-4	4-Bromofluorobenzene	96%		81-125%

ND = Not detected
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-4	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38810.D	1	12/22/00	DFT	n/a	n/a	VK1384
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	3.8	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	4.6	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-4	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		81-122%
17060-07-0	1,2-Dichloroethane-D4	77%		69-122%
2037-26-5	Toluene-D8	106%		87-116%
460-00-4	4-Bromofluorobenzene	99%		81-125%

ND = Not detected
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-4	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	II16175.D	5	12/18/00	WG	n/a	n/a	GII821
Run #2							

CAS No.	Compound	Result	RL	Units	Q
74-82-8	Methane	7850	0.50	ug/l	
	Carbon Dioxide	9180	500	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-4	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron	4420	100	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B
Manganese	75.7	15	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-4	**Date Sampled:**	12/13/00
Matrix:	AQ - Ground Water	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	01/05/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	01/05/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	12/14/00	MRK	SM18 4500NO2B
Nitrogen, Total Kjeldahl	3.5	0.20	mg/l	1	01/04/01	SJB	EPA 351.2
Phosphate, Ortho	1.0	0.50	mg/l	5	12/14/00	MRK	EPA 365.2
Sulfate	<20	20	mg/l	1	01/02/01	VL	EPA 300/SW846 9056

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB121300		
Lab Sample ID:	E82566-5	**Date Sampled:**	12/13/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38811.D	1	12/22/00	DFT	n/a	n/a	VK1384
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB121300		
Lab Sample ID:	E82566-5	**Date Sampled:**	12/13/00
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/14/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		81-122%
17060-07-0	1,2-Dichloroethane-D4	79%		69-122%
2037-26-5	Toluene-D8	105%		87-116%
460-00-4	4-Bromofluorobenzene	100%		81-125%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-2		
Lab Sample ID:	E82566-6	**Date Sampled:**	12/13/00
Matrix:	AQ - Groundwater Filtered	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron [a]	6740	100	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B
Manganese [a]	97.3	15	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-1		
Lab Sample ID:	E82566-7	**Date Sampled:**	12/13/00
Matrix:	AQ - Groundwater Filtered	**Date Received:**	12/14/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron	4570	100	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B
Manganese	82.0	15	ug/l	1	12/18/00	12/20/00	KL	SW846 6010B

RL = Reporting Limit

SB, GW, TB.

ACCUTEST

CHAIN OF CUSTODY

FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #: E8V566
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: AMAI - Alan Siegel
ADDRESS: 110 Corporate Park Drive
CITY, STATE ZIP: White Plains, NY 10604
SEND REPORT TO:
PHONE #

FACILITY INFORMATION

PROJECT NAME: SQUIBB Brule
LOCATION: Humacao, P.R.
PROJECT NO.: SM03
FAX #

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ANALYTICAL INFORMATION

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HCl	NaOH	HNO3	H2SO4	NONE	TCL VOCs	Diss Methane CO2	XNO3O, TKN	XNO2O, SO4, OPO4	Total Metals (Fe+Mn)	Diss Metals (Fe+Mn)	LAB USE ONLY
-1	EB121300	12-13-00	0900	ARS	GW	2	X					X						904!
-2	BR-2 -6	↓	1200	NMR	GW	9	X		X	X		X	X	X	X	X	X	12'·METH!
-3	BR-2D		1204	NMR	GW	2	X					X						
-3	BR2MS		1205	NMR	GW	2	X					X						
-3	BR2-MSD		1206	NMR	GW	2	X					X						
-4	BR-1 -7		1453	NMR	GW	9	X		X	X		X	X	X	X	X	X	METH! 12!
-5	TB121300	↓	1615	ARS	GW	2	X					X	TB Filled 12/4/00 @1400					

DISS MET

DATA TURNAROUND INFORMATION

☒ 21 DAYS STANDARD
☐ 14 DAYS *RUSH*
☐ 7 DAYS *EMERGENCY*
☐ OTHER______

APPROVED BY:

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ NJ REDUCED
☐ NJ Full
☐ FULL CLP
☐ DISK DELIVERABLE
☒ OTHER (SPECIFY) FULL T1
☐ COMMERCIAL "A"
☐ COMMERCIAL "B"
☐ STATE FORMS

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Alan Siegel	12-13-00 1630	1. Fed X	2. Fed X	12/14/00 1000	2. [signature]
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☑	ON ICE ☑ TEMPERATURE 3° C

3

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI		**Matrix** AQ
	Name R.Van Blarcom		**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00		**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** VOC		

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-1			
E82566-2			
E82566-3			
E82566-4			
E82566-5			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/15/00	1033	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/15/00	10:00	Printed Name Signature	Printed Name Signature	GCMS
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** VOC / CH4	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-1			
E82566-2			
E82566-3			
E82566-4			
E82566-5			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1600	Printed Name R.VN Blarcom Signature	Printed Name Signature	STORAGE
12/15/00	16:30	Printed Name Signature	Printed Name Signature	GC
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** METALS	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1030	Printed Name R-VANBLARCOM Signature R	Printed Name Signature	STORAGE
12/18/00	0800	Printed Name Signature	Printed Name Wendy Zhou Signature Wendy Zhou	Audyn
12/20/00	1700	Printed Name Wendy Zhou Signature Wendy Zhou	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** DISSOLVED METALS	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-6			
E82566-7			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1033	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/18/00	0800	Printed Name Signature	Printed Name Wendy Thomas Signature	Analysis
12/20/00	1200	Printed Name Wendy Thomas Signature	Printed Name Signature	STORAGE
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** NO2	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1033	Printed Name R. VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/14/00	1500	Printed Name Signature	Printed Name M. O'Brien Signature	
12/14/00	1700	Printed Name M. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** NO3	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1033	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
1/5/01	0900	Printed Name Signature	Printed Name Signature	Analysis
1/5/01	1700	Printed Name Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** OPO4	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1530	Printed Name R. VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/14/00	1700	Printed Name Signature	Printed Name L. O'Brien Signature	Analysis
12/14/00	1700	Printed Name L. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** SO4	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1035	Printed Name R-VN Blarcom Signature	Printed Name Signature	STORAGE
1/2/01	0900	Printed Name Signature	Printed Name M. O'Brien Signature	Analysis
1/2/01	1700	Printed Name M. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. N/A	**Date Broken** 12/14/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82566	**Analytical Parameter/Fraction** TKN	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82566-2			
E82566-4			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/14/00	1030	Printed Name R-VN BLARCOM Signature	Printed Name Signature	STORAGE
1/3/01	0900	Printed Name Signature	Printed Name J. O'Brien Signature	prep & Analysis
1/4/01	730	Printed Name J. O'Brien Signature	Printed Name Signature	storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Volatiles

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Meet Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Meet Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓
If the requirement is not met, refer to the Internal Standard Summary for comment.		
10. Extraction Holding Time Met		N/A
If the holding time is not met, refer to the Sample Result page for comment.		
11. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*		

Additional Comments:

QC Review Signature: [signature] **Date:** 1/8/01

ACCUTEST

GC Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction 8015 CH4

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
3. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
4. Surrogate Recoveries Meet Criteria (if applicable)		N/A
If the requirement is not met, refer to the Surrogate Summary for comment.		
5. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		N/A
If the requirement is not met, refer to MS/MSD Summary for comment.		
6. Retention Time Shift Meet Criteria		N/A
If the requirement is not met, refer to the Retention Time Summary for comment.		
7. Extraction Holding Time Met		N/A
If the holding time is not met, refer to the Sample Result page for comment.		
8. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		

9. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

Additional Comments:

QC Review Signature: [signature] **Date:** 11/13/01

Form: RG05
Rev. Date: 2/15/00

ACCUTEST

01/18/01

Technical Report for

Anderson, Mulholland & Associates

Bristol Myers Squibb, Humacao, P.R.

Brule SM03

Accutest Job Number: E82467

Report to:

Anderson, Mulholland & Associates
110 Corporate Park Drive
White Plains, NY 10604

ATTN: Alan Siegel

Total number of pages in report: 578

Volume: 1 of 2

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, KS, MA, MD, NC, PA, RI, SC, VA
Results relate only to the items tested.

ACCUTEST

Sample Summary

Anderson, Mulholland & Associates

Job No: E82467

Bristol Myers Squibb, Humacao, P.R.
Project No: Brule SM03

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
E82467-1	12/12/00	15:40	MS	12/13/00	AQ	Ground Water	BR-3
E82467-2	12/12/00	15:40	MS	12/13/00	AQ	Groundwater Filtered	BR-3

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Laboratory Deliverables

1. Cover Page, Title Page Listing Certification #, Facility Name and Address, and Date of Report. [✓]
2. Table of Contents. [✓]
3. Summary Sheets listing analytical results for all targeted and non-targeted compounds. [✓]
4. Summary Table cross-referencing field ID #'s vs. lab ID #'s. [✓]
5. Document bound, paginated and legible. [✓]
6. Chain of Custody. [✓]
7. Methodology Summary [N/A]
8. Laboratory Chronicle and Holding Time Check. [✓]
9. Results submitted on a dry weight basis (if applicable) [N/A]
10. Method Detection Limits. [✓]
11. Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP. [✓]
12. Non-Conformance Summary. [✓]

Tara Mea
QC Reviewer

1/18/2001
Date

New Jersey • Fresh Ponds Corporate Village • Building B • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499 • http://www.accutest.com

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Full Laboratory Data Deliverables
For
Non-USEPA/CLP Methods

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New Jersey • Fresh Ponds Corporate Village • Building B • 2235 Route 130 • Dayton, NJ 08810 • tel: 908 329 0200 • fax: 908 329 3499 • http://www.accutest.com

Report of Analysis

Client Sample ID:	BR-3		
Lab Sample ID:	E82467-1	**Date Sampled:**	12/12/00
Matrix:	AQ - Ground Water	**Date Received:**	12/13/00
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K38869.D	1	12/25/00	DFT	n/a	n/a	VK1386
Run #2							

VOA TCL List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
75-15-0	Carbon disulfide	5.7	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BR-3		
Lab Sample ID:	E82467-1	**Date Sampled:**	12/12/00
Matrix:	AQ - Ground Water	**Date Received:**	12/13/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron	12400	100	ug/l	1	12/14/00	12/16/00	ND	SW846 6010B
Manganese	1320	15	ug/l	1	12/14/00	12/16/00	ND	SW846 6010B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-3		
Lab Sample ID:	E82467-1	**Date Sampled:**	12/12/00
Matrix:	AQ - Ground Water	**Date Received:**	12/13/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate [a]	<0.11	0.11	mg/l	1	01/05/01	JK	EPA353.2/SM184500
Nitrogen, Nitrate + Nitrite	<0.10	0.10	mg/l	1	01/05/01	JK	EPA 353.2
Nitrogen, Nitrite	<0.010	0.010	mg/l	1	12/13/00	MRK	SM18 4500NO2B
Nitrogen, Total Kjeldahl	0.94	0.20	mg/l	1	01/04/01	SJB	EPA 351.2

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BR-3		
Lab Sample ID:	E82467-2	**Date Sampled:**	12/12/00
Matrix:	AQ - Groundwater Filtered	**Date Received:**	12/13/00
		Percent Solids:	n/a
Project:	Bristol Myers Squibb, Humacao, P.R.		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method
Iron [a]	5030	100	ug/l	1	12/14/00	12/16/00	ND	SW846 6010B
Manganese [a]	1060	15	ug/l	1	12/14/00	12/16/00	ND	SW846 6010B

(a) Reported results are dissolved metals.

RL = Reporting Limit

ACCUTEST

CHAIN OF CUSTODY

FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #: E11467
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: AHAI (Alan Siegel)
ADDRESS: 110 Corporate Park Drive
CITY, STATE ZIP: White Plains, NY 10604
SEND REPORT TO:
PHONE #

FACILITY INFORMATION

SQUIBB
PROJECT NAME: Brule
LOCATION: Humacao, P.R.
PROJECT NO.: SM03
FAX #

ANALYTICAL INFORMATION: TCL VOCs; Diss Methane, CO2; XNO3, TKN; XNO2, SO4, O-PO4; Total Metals (Fe+Mn); Diss Metals (Fe+Mn)

MATRIX CODES: DW - DRINKING WATER; GW - GROUND WATER; WW - WASTE WATER; SO - SOIL; SL - SLUDGE; OI - OIL; LIQ - OTHER LIQUID; SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY	MATRIX	# OF BOTTLES	HCl	NaOH	HNO3	H2SO4	NONE	TCL VOCs	Diss Methane, CO2	XNO3, TKN	XNO2, SO4, O-PO4	Total Metals (Fe+Mn)	Diss Metals (Fe+Mn)					LAB USE ONLY
-1	BR-3 (DIS METALS MET!)	12-12-00	1540	MS	GW	9	x		x	x		x	x	x	x	x	x			MET!		864! IE!

DATA TURNAROUND INFORMATION

☒ 21 DAYS STANDARD — APPROVED BY:
☐ 14 DAYS *RUSH*
☐ 7 DAYS *EMERGENCY*
☐ OTHER

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ NJ REDUCED ☐ COMMERCIAL "A"
☐ NJ Full ☐ COMMERCIAL "B"
☐ FULL CLP ☐ STATE FORMS
☐ DISK DELIVERABLE
☐ OTHER (SPECIFY) FULL T1

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE TIME	RECEIVED BY	RELINQUISHED BY	DATE TIME	RECEIVED BY
1. Alan Siegel	12-12-00 1700	1. FedX	2. FedX	12/13/00 1000	2. [signature]
3.		3.	4.		4.
5.		5.	SEAL # 3/VCY? not intact	PRESERVE WHERE APPLICABLE ☐ ON ICE ☒	TEMPERATURE 2.5° C

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** VOC	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	10:35	Printed Name R. VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/19/00	15:45	Printed Name Signature	Printed Name okiyLee Signature	GCMS
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** DISSOLVED METHANE, CO2	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1035	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/13/00	1200	Printed Name Signature	Printed Name Signature	QC
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** METALS	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1035	Printed Name R. VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/14/00	0900	Printed Name Signature	Printed Name Wendy Thomas Signature	Analysis
12/16/00	1700	Printed Name Wendy Thomas Signature	Printed Name Signature	STORAGE
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** DISSOLVED METALS	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-2			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1535	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/14/00	0900	Printed Name Signature	Printed Name Wendy Thomas Signature	Analysis
12/16/00	1700	Printed Name Wendy Thomas Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** NO2	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1030	Printed Name R. VAN BLARCOM Signature	Printed Name Signature	STORAGE
12/13/00	1200	Printed Name Signature	Printed Name G. O'Brien Signature	Analysis
12/13/00	1700	Printed Name G. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** NO3	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1035	Printed Name R.VAN BLARCOM Signature	Printed Name Signature	STORAGE
1/10/01	1000	Printed Name Signature	Printed Name J. O'Brien Signature	Analysis
1/5/01	1700	Printed Name M. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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INTERNAL CHAIN OF CUSTODY

Laboratory Person Breaking Field Seal on Sample Cooler Accepting Responsibility for Sample:	**Client** AMAI	**Matrix** AQ
	Name R.Van Blarcom	**Title** MANAGER
Field Sample Seal No. 42648	**Date Broken** 12/13/00	**Military Time Seal Broken** 10:00
Accutest Job No. E82467	**Analytical Parameter/Fraction** TKN	

SAMPLE NO.	ALIQUOT/EXTRACT NO.	SAMPLE NO.	ALIQUOT/EXTRACT NO.
E82467-1			

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/13/00	1035	Printed Name R-VAN BLARCOM Signature	Printed Name Signature	STORAGE
1/3/01	1300	Printed Name Signature	Printed Name L. O'Brien Signature	Analysis
1/4/01	1700	Printed Name L. O'Brien Signature	Printed Name Signature	Storage
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	
		Printed Name Signature	Printed Name Signature	

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GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Volatile

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Meet Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Meet Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓
If the requirement is not met, refer to the Internal Standard Summary for comment.		
10. Extraction Holding Time Met		N/A
If the holding time is not met, refer to the Sample Result page for comment.		
11. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		

12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

Additional Comments:

QC Review Signature: Christine Young **Date:** 1/12/01